

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : **08-088972**

**(43)Date of publication of application : 02.04.1996**

(51)Int.Cl. H02M 7/155  
G05F 1/10  
H02M 1/15  
H05H 7/04  
H05H 13/04

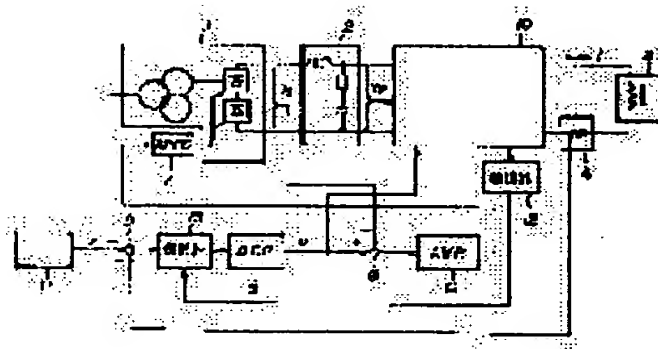
(21)Application number : **06-218943** (71)Applicant : **HITACHI LTD**  
**HITACHI ENG CO LTD**  
(22)Date of filing : **13.09.1994** (72)Inventor : **KANAZAWA TORU**  
**KUBO HIROSHI**  
**KOSEKI SHOICHIRO**  
**HIRAKAWA SATOSHI**

**(54) POWER SUPPLY**

**(57)Abstract:**

**PURPOSE:** To provide a power supply whose stability at start of operation or stoppage is enough, and which has a high accuracy and besides a high-speed controllability at stationary time, though this is equipped with an active filter.

**CONSTITUTION:** In a power supply, which is equipped with an active filter 10 for removing the AC component between a thyristor converter 1 and an electromagnet 3 to serve as load, a detector 12, which detects the state of the active filter 10, and a selector 13, which controls the gain of a feedback system, by the detection result of this detector 12, are provided. Accordingly, the gain of the whole control system is controlled, according to the state of the active filter 10, and at start of operation or at stoppage or when the output of the active filter 10 becomes excessive, it operates stably under low gain, and at stationary operation, high accuracy and high controllability can be given with high gain.



## LEGAL STATUS